

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	(427/421.1.ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 14:29
L3	0	(427/421.1.ccls.) and jet\$5 and impact\$3 with (hammer\$3 or plung\$3 or stroke)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 14:30
L4	1038	427/421.1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 14:30
L5	259	427/421.1.ccls. and jet\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 14:31
L6	128	427/421.1.ccls. and jet\$4 and drop\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 14:31

L7	154	427/421.1.ccls. and jet\$4 and drop\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 14:31
S1	693	427/595.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/27 16:35
S2	1833	427/595.ccls. OR 427/596.ccls. OR 427/597.ccls. OR 427/592.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/27 16:36
S6	315	427/597.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/27 16:44
S7	0	427/597.ccls. intensity	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/27 16:44
S8	3	US-2002/0071772-A1.did. OR "6450416".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/27 17:45
S9	2	US-20020071772-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/27 17:48

S10	1	("2002/0071772").URPN.	USPAT	ADJ	ON	2008/03/27 17:51
S11	4	((("5819983") or ("5564606") or ("2976392"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/03/27 17:58
S12	35439	syringe.ab.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/31 10:17
S13	248	((viscous OR viscosity) NEAR5 syringe).ab.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/31 10:18
S14	248	((viscous OR viscosity) NEAR5 syringe).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/31 10:18
S15	248	((viscous OR viscosity) NEAR5 syringe).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/31 10:19
S16	2	((("4661368") or ("4762578"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:04

S17	2	((("4661368") or ("4762578") or ("4661368"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:07
S18	2	((("4661368") or ("4762578"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:08
S19	37	("3143041" "3809308" "4485387" "4661368").PN. OR ("4762578").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/14 14:09
S20	1	("5320250").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:21
S21	2	("0368428").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:43
S22	7	((("6368428") or ("5368428") or ("4368428") or ("3368428") or ("1368428") or ("1368428"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:44
S23	7	((("7368428") or ("6368428") or ("5368428") or ("4368428") or ("3368428") or ("1368428") or ("1368428"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/14 14:44
S24	33	("3329347" "3485417" "3690518" "3811601" "3936030" "4050613" "4264214" "4334637" "4437488" "4465212" "4480749" "4488665" "4531679" "4572103" "4661368" "4684956" "4710399" "4711379" "4736704" "4762578" "4784582" "4896085" "4951917" "4962871" "4967933" "4985715" "5022629" "5054650" "5074443" "5221025" "5320250").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/14 15:52

S25	59	("2880764" "2898860" "3851801" "3950761" "4030640" "4294581" "4550325" "4692351" "4711379" "4935261" "4974754" "5110615" "5154319" "5195656" "5234134").PN. OR ("5320250").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/14 15:52
S26	200	jet soldering	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/14 16:13
S27	0	jet soldering AND vary volume	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/14 16:14
S28	0	jet soldering AND vary drop	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/14 16:14
S29	23	jet soldering AND vary	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/14 16:14
S30	37	jet soldering AND size	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/14 16:15
S31	0	"222"/("55" or "56" OR "57").CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/15 18:13

S32	1697	(222/55 OR 222/56 OR 222/57).OCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/15 18:14
S33	7	S32 AND (DROP OR DROPLET) VOLUME	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/15 18:15
S34	161	S32 AND (DROP OR DROPLET) and SIZE and (DIFFERENT or VARYING)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/15 18:34
S35	6	S32 AND (DROP OR DROPLET) NEAR5 SIZE NEAR5 (DIFFERENT or VARYING)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/15 18:34
S36	3	US2002/0071772.did. OR WO0232201.did. OR "6450416".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/21 08:52
S37	6	US-20020071772-\$.did. OR WO-0232201-\$.did. OR "6450416".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/21 08:53
S38	10	US-20020071772-\$.did. OR WO-0232201-\$.did. OR "6450416".pn. OR JP-2001217529-\$.did. OR JP- 2001046940-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/21 08:56

S39	0	"222"."596".ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/21 09:04
S40	72	222/596.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/21 09:04
S41	1	("4967933").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/21 09:35
S42	26	("4967933").URPN.	USPAT	ADJ	ON	2008/04/21 09:37
S43	1	("5913455").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/22 15:10
S44	1	("5564606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/22 16:00
S45	5	"222".clas. AND impact velocity	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:49
S46	63	"222".clas. AND feeding rate	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:50

S47	90500	"222".clas.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:51
S48	137828	"222".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:51
S49	7	"222".clas. AND impact velocity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:52
S50	137925	"222".clas. OR "239".clas. AND impact velocity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:53
S51	104	("222".clas. OR "239".clas.) AND impact velocity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:53
S52	3393	jetting AND nozzle AND clean	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:17

S53	276	jetting AND nozzle AND (clean OR cleaning OR remove) NEAR5 (residue OR overflow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:18
S54	58	jetting AND nozzle AND (clean OR cleaning OR remove) NEAR5 (residue OR overflow) SAME (gas OR gaseous OR air OR blow OR blast)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:19
S55	28	HOLM-WILLIAM.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:22
S56	0	HOLM,WILLIAM.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:22
S57	0	William-HOLM.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:22
S58	0	(William HOLM).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:23

S59	77	(HOLM, william).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:23
S60	3253	HOLM.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:23
S61	77	(william SAME HOLM).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 17:26
S62	10	((("4,004,733") or ("4,200,232") or ("5,048,454") or ("5,988,526") or ("6,863,225") or ("4,857,367") or ("5,129,579") or ("6,270,019") or ("5,447,254") or ("4,970,985"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/22 17:52
S63	11	((("4,004,733") or ("4,200,232") or ("5,048,454") or ("5,988,526") or ("6,863,225") or ("4,857,367") or ("5,129,579") or ("6,270,019") or ("5,447,254") or ("4,970,985") or ("6450416"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/23 08:45
S64	9	("3747155" "4093123" "4563840" "4600149" "4733428" "4832752" "5147087" "5464390" "5756155").PN. OR ("5988526").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/23 08:56
S65	3	"5338360"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:54

S66	24	nilsson.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:55
S67	6953	nilsson.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:55
S68	0	kenth nilsson.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:55
S69	0	kenth.in. nilsson.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:55
S70	0	(kenth nilsson).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:56
S71	107	(nilsson, kenth).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:56
S72	41	(BERG, JOHAN).in. OR (KRONSTEDT, JOHAN).in. OR (SANDELL, HAKAN).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 09:59

S73	47	("3329347" "3485417" "3690518" "3811601" "3936030" "4050613" "4264214" "4334637" "4437488" "4465212" "4480749" "4488665" "4531679" "4572103" "4661368" "4684956" "4710399" "4711379" "4736704" "4762578" "4784582" "4896085" "4951917" "4962871" "4967933" "4985715" "5022629" "5054650" "5074443" "5221025" "5320250").PN. OR ("5913455").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/23 12:03
S74	31	nozzle velocity AND splash	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/23 16:13
S75	8	((("4,266,232") or ("5,320,250") or ("5,495,270") or ("5,581,286") or ("5,747,102") or ("5,876,615") or ("6,029,896") or ("6,126,263"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/04/23 18:44
S76	1956	427/595.ccls. OR 427/596.ccls. OR 427/597.ccls. OR 427/592.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:18
S77	328	427/597.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:18
S78	1709	(222/55 OR 222/56 OR 222/57).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:18

S79	73	222/596.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:18
S80	3738	S76 S77 S78 S79	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 17:18
S81	91590	"222".clas.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:18
S82	0	222/14-22.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:19
S83	942	222/14-22.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:19
S84	2559	222/591-603.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:21
S85	16	jet\$4 and S83	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:23

S86	0	(vary\$3 or chang\$3 or adjust\$3 or control\$4) nearer3 volume	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:30
S87	229772	(vary\$3 or chang\$3 or adjust\$3 or control\$4) near3 volume	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:30
S88	153	(S83 or S84) and S87	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:31
S89	130	(S83 or S84) and S87 and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:31
S90	133	(S83 or S84) and S87 and @PY<"2006"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:31
S91	16	(S83 or S84) and S87 and @PY<"2006" and jet\$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 17:31
S92	11948	(vary\$3 or chang\$3 or adjust\$3 or control\$4) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:12

S93	2144	239/435,445,4,13,128,133,134,102.2.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:13
S94	0	222/251+.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:13
S95	747	73/863.01-863.03.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:14
S96	129	S92 and (S93 or S95 or S80 or S84)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:16
S97	91	S92 and (S93 or S95 or S80 or S84) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:16
S98	31	S92 and (S93 or S95 or S80 or S84) and (viscous or solder)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:16
S99	1974	S92 and (viscous or solder)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:46

S100	926	(fill\$3 or replac\$3 or replenish\$3) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:47
S101	1	S100 and (S93 or S95 or S80 or S84) and (viscous or solder)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/23 18:47
S102	11948	(vary\$3 or chang\$3 or adjust\$3 or control\$4) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S103	220	S102 and "222".clas.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S104	1956	427/595.ccls. OR 427/596.ccls. OR 427/597.ccls. OR 427/592.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S105	328	427/597.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S106	1709	(222/55 OR 222/56 OR 222/57).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32

S107	73	222/596.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S108	3738	S104 S105 S106 S107	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/24 13:32
S109	2559	222/591-603.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S110	2144	239/435,445,4,13,128,133,134,102.2.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S111	747	73/863.01-863.03.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S112	31	S102 and (S110 or S111 or S108 or S109) and (viscous or solder)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32
S113	200	S102 and "222".clas. not S112	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:32

S114	143	S102 and "222".clas. not S112 and @PY<"2004"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/24 13:33
S115	2	"US 20050167519"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/07/07 16:18
S116	1	2004-143680.NRAN.	DERWENT	ADJ	ON	2009/07/07 16:19
S117	1	2004-143680.NRAN.	DERWENT	ADJ	ON	2009/07/07 16:41
S118	60	B05D1/26.ipc.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/07/07 17:00
S119	27	B05D1/26.ipc. and jet\$5	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/07/07 17:02
S120	2355	B05B17/06.ipc. or B05C5/00.ipc. or B05D3/00.ipc. or B23K1/00.ipc. or B23K3/06.ipc. or H05K3/34.ipc.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/07/07 17:11
S121	272	S120 and jet\$5 and drop\$4	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/07/07 17:12
S122	9171	B05B17/06.ipc. or B05C5/00.ipc. or B05D3/00.ipc. or B23K1/00.ipc. or B23K3/06.ipc. or H05K3/34.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/03 14:00

S123	328	S122 and jet\$5 and drop\$4	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2010/03/03 14:01
S125	154	S122 and jet\$5 and drop\$4 and @PY<"2008"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2010/03/03 14:03
S126	21627	"347".clas. AND (DROP OR DROPLET) and SIZE and (DIFFERENT or VARYING)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 13:33
S127	4883	"347".clas. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 13:35
S128	1528	"347".clas. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob) and (impact\$3 or hammer\$3 or plung\$3 or stroke)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 13:36
S129	761	"347".clas. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 13:36
S130	16	347/6,7.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 13:44

S131	100	347/6,7.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 13:44
S132	396	347/15.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:05
S133	1605	347/15.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:06
S134	63	347/15.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:07
S135	1	("4,499,479").PN.	USPAT; USOCR	OR	OFF	2010/03/04 14:43
S136	241	347/54-72.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:53
S137	226	347/54-72.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005" not S134	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:54

S138	572	"347".clas. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:56
S139	390	"347".clas. and (vary\$3 or chang\$3 or adjust\$3 or control\$4) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 14:56
S140	410	417/322,469.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 15:58
S141	341	417/322,469.ccls. and @PY<"2004"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 15:58
S142	7	417/322,469.ccls. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) near3 (size or volume or diameter) with (drop\$3 or blob)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/04 15:58
S143	348	"118".clas. and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:05
S144	75	"118".clas. and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:08

S145	0	"independent of the piston stroke"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:13
S146	13387	"piston stroke"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:13
S147	11	maruyama.in. and "piston stroke"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:13
S148	479	"347".clas. and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:35
S149	33	347/19,68,84+.cccls. and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:36
S150	43	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:43

S151	46	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:46
S152	79	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls. or 347/19,68,84+ .ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:54
S153	38	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls. or 347/19,68,84+ .ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005" not (S144 or S149)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:55
S154	0	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls. or 347/19,68,84+ .ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY<"2005" not (S144 or S149 or S152)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 12:55
S155	2290	"L14" not "L15"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 13:09

S156	16	("4106032" "4514742" "4621268" "6770320" "6820973" "6860976" "7059538").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 13:37
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	(427/421.1.ccls.) and jet\$5 and impact\$3 with (hammer\$3 or plung\$3 or stroke)	US-PGPUB; USPAT	ADJ	ON	2010/03/10 14:30
S157	147	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls. or 347/19,68,84+.ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke)	US-PGPUB; USPAT	ADJ	ON	2010/03/10 12:56
S158	68	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls. or 347/19,68,84+.ccls.) and jet\$5 and (vary\$3 or chang\$3 or adjust\$3 or control\$4 or large\$2 or smalle\$2) with (fill\$3) and (impact\$3 or hammer\$3 or plung\$3 or stroke) and @PY> "2004"	US-PGPUB; USPAT	ADJ	ON	2010/03/10 12:56
S159	59	S157 not S158	USPAT; UPAD	ADJ	ON	2010/03/10 13:09
S160	11	(427/595-597,592.ccls. or 222/55-57,14-22,591-603.ccls. or 239/435,445,4,13,128,133,134,102.2.ccls. or 73/863.01-863.03.ccls. or 417/322,469.ccls. or 118/211,696.ccls. or 347/19,68,84+.ccls.) and jet\$5 and impact\$3 with (hammer\$3 or plung\$3 or stroke)	US-PGPUB; USPAT	ADJ	ON	2010/03/10 14:16

3/ 10/ 2010 2:49:03 PM

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